

Attachment B - FVF - Chenega Vessel Specifications – Alaska DOT&PF – IFSB #2521S019
FVF CHENEGA – RO–RO PASSENGER CATAMARAN TYPE VESSEL SPECIFICATIONS

Year Built: 2005
Length (feet): 235' 5"
Beam (feet): 59' 1"
Displacement (long tons): 787
Loaded Draft (feet-inches): 8' 5½"
International Tonnage: Gross: 3,420
(cubic capacity) Net: 1,026
Domestic Tonnage: Gross: 1,333
(cubic capacity) Net: 827
Horsepower @ Service Speed: 19,310
Service Speed (knots): 32
Fuel Usage (gallons/hour): 600
Normal Crew Capacity: 10
USCG Official Number: 1166054
IMO Number: 9265794 (*Built to meet all the Category B Passenger Craft requirements of the IMO 2000 HSC Code*)
USCG Classification: SOLAS/HSC Code Category B
DNV Classification: +1A1 HSLC R3 Passenger Car Ferry A E0
Call Sign: WDC 3997

Booking Capacities:

Passengers: 250
Vehicles (lane feet): 620
Quantity of 20 foot vehicles: 31
Commercial Vans: 3

Vessel Engine & Power Plant

Number: 4
Make: MTU 20V 4000 ***U.S. EPA Tier 2 Certified***
Model: M73L
Year Installed: 2005 (Original engines: MTU 16V595 TE70)
Year Repowered: 2015 (Repowered engines: MTU 20V 4000 M73)
Engine Hours About: Engine #1: 1100 / Engine #2: 1000 / Engine #3: 1000 / Engine #4: 1000

Bow Thruster

Type: Electric (2)
Make: Quantum Marine
Model: V2-20
HP: 200 (100 Ea.)
RPM: 1800

Propulsion (Waterjet)

Type: Kamewa
Make: 90S II
Blades/Vanes: 6

Generator Plant

Number: 3
Make: Northern Lights
Model: M6125T
Cylinders: 6
KW/Unit: 185
RPM: 1800

Emergency Generator*

Make: Northern Lights
Model: M6125T
KW/Unit: 185
RPM: 1800

*See Attachment J - FVF Chenega Condition Report
Section 7.4 Emergency Electrical Power Generation

Elevator

Manufacturer: MacGregor Type MC 3000